

WHAT IS CLAIMED IS:

1. A method of medium access control comprising:  
receiving a first message including a first integer;  
sending a second message including a second integer, the second message sent in response to the first message;  
receiving a third message including data and a third integer, the third integer serving to authenticate the third message; and  
sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

2. The method of claim 1, further comprising:  
using, as the first, second, third, and fourth integers, the same value.

3. The method of claim 2, further comprising:  
using, as the same value, a random integer.

4. The method of claim 2, further comprising:  
using, as the same value, a pseudorandom integer.

5. The method of claim 2, further comprising:  
using, as the same value, a time value.

6. The method of claim 2, further comprising:

using, as the same value, a time value based on a Global Positioning System (GPS).

7. The method of claim 1, further comprising:

using, as the first integer, a nonce value, the nonce value being based on one or more of the following: a random integer, a pseudorandom integer, or a time value.

8. The method of claim 1, further comprising:

using, as the first integer, a value that is a function of a nonce value.

9. The method of claim 1, wherein receiving the first message comprises:

using, as the first message, a request to send message.

10. The method of claim 1, wherein receiving the second message comprises:

using, as the second message, a clear to send message.

11. The method of claim 1, further comprising:

using the first, second, third, and fourth messages as the medium access control of a wireless network.

12. The method of claim 1, further comprising:

using, as the first message, a request-to-send message, the request-to-send message providing media access control.

13. A method of medium access control in a wireless network comprising:  
receiving a request to send message, the request to send message including  
a first integer;  
sending, in response to the received request to send message, a clear to  
send message including the first integer and a second integer;  
receiving a data message including the second integer, the second integer  
serving to authenticate the data message; and  
sending, in response to the received data message, an acknowledgement  
message including the first integer.

14. A system of medium access control in a wireless network comprising:  
means for receiving a request to send message, the request to send  
message including a first integer;  
means for sending, in response to the received request to send message, a  
clear to send message including the first integer and a second integer;  
means for receiving a data message including the second integer, the second  
integer serving to authenticate the data message; and  
means for sending, in response to the received data message, an  
acknowledgement message including the first integer.

15. A system of medium access control comprising:  
means for receiving a first message including a first integer;

means for sending a second message including a second integer, the second message sent in response to the first message;

means for receiving a third message including data and a third integer, the third integer serving to authenticate the third message; and

means for sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

16. A system for medium access control, the system comprising:

a processor; and

a memory,

wherein the processor and the memory are configured to perform a method comprising:

receiving a first message including a first integer;

sending a second message including a second integer, the second message sent in response to the first message;

receiving a third message including data and a third integer, the third integer serving to authenticate the third message; and

sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

17. The system of claim 16, further comprising:

using, as the first, second, third, and fourth integers, the same value.

18. The system of claim 17, further comprising:

using, as the same value, a random integer.

19. The system of claim 17, further comprising:

using, as the same value, a pseudorandom integer.

20. The system of claim 17, further comprising:

using, as the same value, a time value.

21. The system of claim 17, further comprising:

using, as the same value, a time value based on a Global Positioning System (GPS).

22. The system of claim 16, further comprising:

using, as the first integer, a nonce value, the nonce value being based on one or more of the following: a random integer, a pseudorandom integer, or a time value.

23. A system for medium access control in a wireless network, the system comprising:

a processor; and

a memory,

wherein the processor and the memory are configured to perform a method comprising:

receiving a request to send message, the request to send message including a first integer;

sending, in response to the received request to send message, a clear to send message including the first integer and a second integer;

receiving a data message including the second integer, the second integer serving to authenticate the data message; and

sending, in response to the received data message, an acknowledgement message including the first integer.

24. A computer-readable medium containing instructions to configure a data processor to perform a method of medium access control comprising:

receiving a first message including a first integer;

sending a second message including a second integer, the second message sent in response to the first message;

receiving a third message including data and a third integer, the third integer serving to authenticate the third message; and

sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

25. A computer-readable medium containing instructions to configure a data processor to perform a method of medium access control in a wireless network comprising:

receiving a request to send message, the request to send message including a first integer;

sending, in response to the received request to send message, a clear to send message including the first integer and a second integer;

receiving a data message including the second integer, the second integer serving to authenticate the data message; and

sending, in response to the received data message, an acknowledgement message including the first integer.